

TABLE 2  
RATIO CALCULATIONS AND SHUTDOWN SUMMARY  
JULY 2011  
MIDCO I AND II SITES  
GARY, INDIANA  
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Parameter	Units	Midco I Site	Midco II Site	Deep Well Site
HP/UV flow rate <sup>1</sup>	gpm	OFF	OFF	
HP/UV operating lamps	count	OFF	OFF	
UV tube cleaning cycle	hours	OFF	OFF	
Hydrogen peroxide feed	ppm	OFF	OFF	
pH, inlet to HP/UV unit	pH units	OFF	OFF	
Extraction well flow rates as of 7-31-11				
EW-1	gpm	OFF	OFF	
EW-2	gpm	OFF	OFF	
EW-3	gpm	OFF	OFF	
EW-4	gpm	OFF	OFF	
EW-5	gpm	OFF	N/A	
EW-6	gpm	OFF	OFF	
EW-7	gpm	OFF	OFF	
MW-3D	gpm	OFF	N/A	
MW-5D	gpm	OFF	N/A	
MW-6D	gpm	OFF	N/A	
Extraction well flow rates necessary for capture <sup>2</sup>				
EW-1	gpm	6.4	13.0	
EW-2	gpm	6.4	13.0	
EW-3	gpm	N/A	16.9	
EW-4	gpm	1.0	8.0	
EW-5	gpm	N/A	N/A	
EW-6	gpm	1.7	5.7	
EW-7	gpm	6.4	9.1	
Range of detections from field gas chromatograph				
Methylene chloride	µg/L	N/A	N/A	
Vinyl chloride	µg/L	N/A	N/A	
Treatment operating flow rate less tube cleaning	gpm	31.4 to 36.3	49.8 to 59.7	
Total treated water volume <sup>3</sup>	gallons	0	0	
Design average flow rate <sup>4</sup>	gpm	28.0	50.6	
Month duration and operating time for average monthly flow rate calculation	days	31	31	
Non-GWETS-related shutdowns (pages 2 & 3)	minutes	44,640	44,640	
Annulus & pipeline testing shutdowns	minutes	0	0	
Operating time for average monthly operating flow rate calculation	minutes	44,640	44,640	
GWETS-related shutdown - scheduled & non-scheduled (see pages 2 and 3)	minutes	0	0	
Operation time excluding all shutdowns	minutes	44,640	44,640	
Average monthly operating flow rate <sup>5</sup>	gpm	0.0	0.0	
% average monthly operating flow rate to design average flow rate	%	0.0%	0.0%	
Average monthly flow rate <sup>6</sup>	gpm	0.0	0.0	
% average monthly flow rate to design average flow rate	%	0.0%	0.0%	
Waste materials stored on-site for off-site disposal				
Spent filters	cubic yards	17	12	
Anticipated off-site shipment	week of	September 26, 2011	September 26, 2011	
Waste shipments this month		None	None	
Filter cake	cubic yards	N/A	3	
Anticipated off-site shipment	week of	N/A	September 26, 2011	
Waste shipments this month		N/A	None	
Other wastes (Soil Cuttings):		None	None	
Anticipated off-site shipment	week of	N/A	N/A	
Waste shipments this month		None	June 30, 2011	

**Key:**

HP/UV = Hydrogen peroxide/ultraviolet light  
GWETS = Ground water extraction and treatment system  
gpm = Gallons per minute  
µg/L = Micrograms per liter  
N/A = Not applicable

**Notes:**

<sup>1</sup> HP/UV flow rate is the process water flow rate that goes through the HP/UV.

<sup>2</sup> Extraction wells EW-3 and EW-5 at the Midco I Site are used for dewatering purposes only.

<sup>3</sup> Total treated water volume is obtained from the site treated water flow totalizer.

<sup>4</sup> Design average flow rate is the model-predicted flow rates of 21.0 or 50.6 gpm, respectively for the Midco I and Midco II Sites. The design average flow rates changed on February 24, 2003 from 24.5 to 50.6 gpm for Midco II. The Midco I design average flow rate varies between 21 and 28 gpm, based on dewatering.

<sup>5</sup> Average monthly operating flow rate is the total treated water volume divided by the operating time excluding all non-GWETS-related shutdowns. This value is different from the HP/UV flow rate because of the flow recycled during the tube cleaning.

<sup>6</sup> Average monthly flow rate is the totalized volume of treated water divided by the number of minutes for that month.